



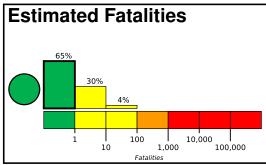


### **PAGER** Version 3

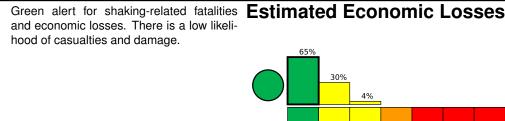
Created: 22 hours, 0 minutes after earthquake

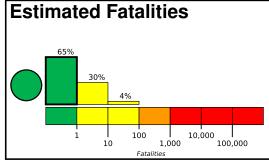
# M 4.6, 65km W of Tonopah, Nevada

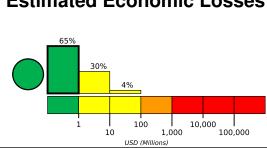
Origin Time: 2020-05-16 04:12:21 UTC (Fri 21:12:21 local) Location: 38.1313° N 117.9756° W Depth: 5.0 km



and economic losses. There is a low likeli-







**Estimated Population Exposed to Earthquake Shaking** 

ESTIMATED POPULATION		20k*	26k	0	0	0	0	0	0	0
EXPOSURE (k=x1000)  ESTIMATED MODIFIED  MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

<sup>\*</sup>Estimated exposure only includes population within the map area.

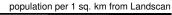
Hawthorne

#### Population Exposure

38.5°N

37.8°N

Mammoth Lakes



Tonopah

**■**Goldfield



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Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

### **Historical Earthquakes**

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
2003-12-22	392	6.6	VI(8k)	2
1980-01-24	332	5.8	VII(35k)	1
1989-10-18	352	6.9	VIII(109k)	62

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

## Selected City Exposure

from GeoNames org

nom decivames.org				
MMI	City	Population		
II	Hawthorne	3k		
II	Tonopah	2k		
П	Dixon Lane-Meadow Creek	3k		
II	Bishop	4k		
II	Goldfield	0		
П	West Bishop	3k		
II	Mammoth Lakes	8k		
1	Big Pine	2k		
1	Yerington	3k		

bold cities appear on map.

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.